

EXPERIMENT-6

224G1A0552

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```
SQL> create table student(  
  2  rollno NUMBER PRIMARY KEY,  
  3  name VARCHAR2(20) NOT NULL,  
  4  dname VARCHAR2(10) NOT NULL  
  5  );
```

Table created.

```
SQL> CREATE TABLE building(  
  2  dname VARCHAR2(10),  
  3  bname VARCHAR2(10)  
  4  );
```

Table created.

```
SQL> INSERT ALL  
  2  INTO student VALUES(1, 'harsha', 'cse')  
  3  INTO student VALUES(2, 'basha', 'ece')  
  4  INTO student VALUES(3, 'dinesh', 'eee')  
  5  INTO student VALUES(4, 'hari', 'csd')  
  6  INTO building VALUES('cse', 'b')  
  7  INTO building VALUES('eee', 'a')  
  8  INTO building VALUES('csd', 'c')  
  9  select * from dual;
```

7 rows created.

```
SQL> select * from student;
```

ROLLNO	NAME	DNAME
1	harsha	cse
2	basha	ece
3	dinesh	eee
4	hari	csd

```
SQL> select * from building;
```

DNAME	BNAME
cse	b
eee	a
csd	c

```
SQL> select * from student
2 JOIN building ON
3 student.dname=building.dname;
```

ROLLNO	NAME	DNAME	DNAME	BNAME
1	harsha	cse	cse	b
3	dinesh	eee	eee	a
4	hari	csd	csd	c

```
SQL> select * from student JOIN building
2 USING(dname);
```

DNAME	ROLLNO	NAME	BNAME
cse	1	harsha	b
eee	3	dinesh	a
csd	4	hari	c

```
SQL> select * from student
2 LEFT OUTER JOIN building ON
3 student.dname=building.dname;
```

ROLLNO	NAME	DNAME	DNAME	BNAME
1	harsha	cse	cse	b
3	dinesh	eee	eee	a
4	hari	csd	csd	c
2	basha	ece		

```
SQL> select * from student
2 RIGHT OUTER JOIN building ON
3 student.dname=building.dname;
```

ROLLNO	NAME	DNAME	DNAME	BNAME
1	harsha	cse	cse	b
3	dinesh	eee	eee	a
4	hari	csd	csd	c

```
SQL> select * from student
2 FULL OUTER JOIN building ON
3 student.dname=building.dname;
```

ROLLNO	NAME	DNAME	DNAME	BNAME
1	harsha	cse	cse	b
2	basha	ece		
3	dinesh	eee	eee	a
4	hari	csd	csd	c